

To: Davis, Michael[Davis.Michael@epa.gov]
From: Davis, Michael
Sent: Tue 1/27/2015 2:17:19 AM
Subject: FW: Preparation of Briefing Materials for 1/28 Briefing for Karl on Air Monitoring Conf Line
Ex. 6 - Personal Privacy
DRAFT Air Monitoring Recommendations Paper 0122015MFD.docx

From: Davis, Michael
Sent: Monday, January 26, 2015 7:52 PM
To: Slugantz, Lynn; Stoy, Alyse; Tapp, Joshua; Field, Jeff; Hayes, Scott; Beringer, Mike; Nold, Eric; Jackson, Robert W.; Jay, Michael; Weber, Rebecca
Cc: Johnson, James; Tapia, Cecilia
Subject: RE: Preparation of Briefing Materials for 1/28 Briefing for Karl on Air Monitoring Conf Line 866-299-3188 Code 913 551 7883

Colleagues:

Due to the extent of my proposed additions to the document, I have not updated the draft on the H: drive so that other comments can be preserved intact.

Please review the attached, I am hopeful that it may be useful to frame our discussions tomorrow morning.

Regards – Mike Davis

Michael F. Davis

Chief, Monitoring & Environmental Sampling Branch

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From: Slugantz, Lynn

Sent: Monday, January 26, 2015 5:00 PM

To: Stoy, Alyse; Tapp, Joshua; Field, Jeff; Hayes, Scott; Beringer, Mike; Nold, Eric; Jackson, Robert W.; Jay, Michael; Davis, Michael; Weber, Rebecca

Cc: Johnson, James; Tapia, Cecilia

Subject: Preparation of Briefing Materials for 1/28 Briefing for Karl on Air Monitoring Conf Line

Ex. 6 - Personal Privacy

All - It doesn't look like many of you have reviewed and commented/edited this yet as I had requested (other than I see comments from Mike Beringer, thank you Mike).

We will be meeting Tuesday morning at 8:00 am to finalize these recommendations and this briefing paper. The briefing for Karl is set for Wednesday at 2:00.

DRAFT!!!

January 27, 2015

RA Briefing Paper

Recommendations for Path Forward on Air Monitoring

Background

- The end results of the current effort will be used for comparison with data that may be collected during potential construction of an isolation barrier in order to determine if there is any impact on the air quality of the community surrounding the landfill site during that construction (i.e., determine if there is a release from the Site).

- Daily air monitoring activities began at this network approximately in April 2014, with some monitors not fully functional until June 2014. Monitoring is being conducted for radiological parameters (including alpha, beta-, and gamma-emitting radionuclides on particulates; radon; and external gamma exposure), as well as typical solid waste landfill gases (including sulfur dioxide, hydrogen sulfide, carbon monoxide and volatile organic compounds).

- Five stations were set up in/around the Bridgeton area to ensure complete coverage around the perimeter of the WLLS and nearby residential populations. Refer to the attached table for more details regarding the capability of the five stations.

- Add in here description of MDNR's air monitoring system and its purpose and refer to attached table for more details about their capabilities.

- Add in here description of Republic's air monitoring system, its purpose and refer to attached table for more details about its capabilities.

Considerations:

- Input here statements about authorities under which the original network system was put in place (removal action) and that allows the Superfund program to spend money on the system. The estimated monthly cost of the monitoring is approximately \$55,000.

- To date, approximately nine (9) months of monitoring data has been collected which spans the entire summer and fall seasons and touches on winter and the spring. *To date, the*

radiological and VOC data has been found to be consistent with “normal” ambient background levels in the St. Louis metropolitan area.

- [] [] [] [] [] [] The H2S, SO2 and CO data appear(need more explanation here) – and are we going to recommend we continue to sample for these?
- [] [] [] [] [] [] The off-site monitoring effort has clearly achieved the project objectives for all or just Rad and VOC data?.
- [] [] [] [] [] [] Put in statement here about the findings from MDNR’s air monitoring.

Recommendations:

- [] [] [] [] [] [] EPA modify its air monitoring network to consist of one location, the existing station located in Spanish Village, and to monitor only for radiological parameters, the primary contaminants of concern at WLLS.
- [] [] [] [] [] [] Are there other modifications we are recommending?
 - Put in sub bullets about why this makes sense
- [] [] [] [] [] [] MDNR continue to operate its air monitoring system to address Bridgeton VOC type **emission concerns**. Add in here whatever other suggestions came out of the meeting on 1/22 about working with MDNR to investigation certain type of compounds we found.

Thank you,

Lynn M. Slugantz

Office of Regional Administrator

US EPA Region 7

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